

AN - 1999-352568 [30]

AP - JP19970298435 19971030

CPY - KASS

DC - D15 J01

FS - CPI

IC - B01D53/02 ; B01J20/12 ; B01J20/32 ; C01B33/40 ; C02F1/28

MC - D04-A01P J01-E02D

PA - (KASS) KASSAI KK

PN - JP11130422 A 19990518 DW199930 C01B33/40 007pp

PR - JP19970298435 19971030

XA - C1999-104165

XIC - B01D-053/02 ; B01J-020/12 ; B01J-020/32 ; C01B-033/40 ; C02F-001/28

AB - JP11130422 NOVELTY - The humus allophane soil is processed with sulphuric acid. The amount of organic substance present in the soil is reduced. DETAILED DESCRIPTION - The allophane soil is washed with water optionally such that one or more organic substances are removed from the soil. 0.05% or more of sulphuric acid is added to the soil to form an aqueous slurry. Vigorous stirring is performed such that the colour of the slurry is turned to dark brown. Rinsing and washing are performed with water for 1 hour or more. The wash liquid present in the slurry has a neutral pH. Vitriolisation of the slurry is performed followed by dehydration.

- USE - Used as process agent for fluid contact process e.g. water treatment.

- ADVANTAGE - Water treatment ability and adsorption characteristics of the soil are improved.

- (Dwg.0/5)

#### IW - ALLOPHANE SOIL PROCESS AGENT FLUID CONTACT PROCESS WATER TREAT PROCESS

SULPHURIC ACID AMOUNT ORGANIC SUBSTANCE PRESENT SOIL REDUCE

IKW - ALLOPHANE SOIL PROCESS AGENT FLUID CONTACT PROCESS WATER TREAT PROCESS

SULPHURIC ACID AMOUNT ORGANIC SUBSTANCE PRESENT SOIL REDUCE

NC - 001

OPD - 1997-10-30

ORD - 1999-05-18

PAW - (KASS) KASSAI KK

TI - Allophane soil used as process agent for fluid contact process e.g.

water treatment - is processed with sulphuric acid such that the amount of organic substance present in the soil is reduced